Under the Paperwork Reduction Act of 1995, no persons are required to re

UTILITY PATENT APPLICATION **TRANSMITTAL**

(only for new nonprovisional applications under 37 CFR 1.53(b))

spond to a collection of infor	mation unless it displays a valid OMB control number.					
Attorney Docket No.	1857.2020000					
First Inventor	J. Christian Swindal					
Title	Optical Position Measuring System and Method Using a Low Coherence Light Source					
Express Mail Label No.						

	ADDI ICATION ELEMENTS	Mail Stop Patent Application Commissioner for Patents							
	APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450							
	Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) Applicant claims small entity status	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)							
. .	Applicant claims small entity status. See 37 CFR 1.27.	a. Computer Readable Form (CRF)							
3.	Specification [Total Pages 10]	b. Specification Sequence Listing on:							
	(preferred arrangement set forth below) - Descriptive title of the Invention - Cross Reference to Related Applications	i. CD-ROM or CD-R (2 copies); or							
	 Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, or a computer program listing appendix 	ii. paper c. Statements verifying identity of above copies							
	Background of the Invention Brief Summary of the Invention	ACCOMPANYING APPLICATION PARTS							
	 Brief Description of the Drawings (if filed) Detailed Description Claim(s) Abstract of the Disclosure 	9. Assignment Papers (cover sheet & document(s))							
4.	Drawing(s) (35 U.S.C. 113) [Total Sheets 7]	10. 37 CFR 3.73(b) Statement Power of Attorney (when there is an assignee)							
5.	Oath or Declaration [Total Pages 2]	11. English Translation Document (if applicable)							
	a. Newly executed (original or copy)	12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations							
	b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)	13. Preliminary Amendment							
	i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR	14. Two Return Receipt Postcards (MPEP 503) (Should be specifically itemized)							
	1.63(d)(2) and 1.33(b).	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)							
6.	Application Data Sheet. See 37 CFR 1.76.	16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.							
		17. Other: Authorization under 37 C.F.R. § 1.136(a)(3)							
		Other: The name of the assignee is: ASML Holding N.V.							
	. If a CONTINUING APPLICATION, check appropriate box, and supin an Application Data Sheet under 37 CFR 1.76:	upply the requisite information below and in a preliminary amendment,							
Continuation Divisional Continuation-in-Part (CIP) of prior application No:/									
cor	r CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the nsidered a part of the disclosure of the accompanying continuation or division relied upon when a portion has been inadvertently omitted from the submitted	the prior application, from which an oath or declaration is supplied under Box 5b, is onal application and is hereby incorporated by reference. The incorporation can only led application parts.							
	19. CORRESPO	ONDENCE ADDRESS							
	Customer Number 26111	or Correspondence address below							
N	AME STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.								
41	Attorneys at Law DDRESS								
	ITY STATE	ZIP CODE							
	OUNTRY TELEPHONE	FAX							
		1							
	AME (Print/Type) Jason D. Eisenberg	Registration No. (Attorney/Agent) 43,447 Date 111703							
3/	IGNATURE JAM								

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)810.00

	Complete if Kn wn					
Application Number	To b assigned					
Filing Date	Herewith on November 17, 2003					
First Named Inventor	J. Christian Swindal					
Examiner Name	To be assign d					
Art Unit	To be assign d					
Attorney Docket No.	1857.2020000					

	100						Attorney	DOCK		1857.2020	000	
	METH	OD OF	PAYMENT	(check all tha	it apply)				F	EE CALCULATION	(continued)	
☐ Check ☑ Credit card ☐ Money Order ☒ Other** ☐ None					3. AD	DITION	AL FE	ES				
" Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.			Large	Entity	Sm	all Ent	ity					
Deposit Account			Fee Code	Fee Fee (\$) Co	Fee de (\$)	1	Fee Description		Fee Paid			
Deposi	it Accour	t Numb		-	_	4054	400	bosa	65	Curchage Into Sline	fon er ooth	
Deposi	it Accour	it Name	: Sterne, Kes	sler, Goldstein 8	Fox P.L.L.C.	1051		2051	65	Surcharge - late filing		<u>.</u>
			_	o: (check all th —		1502	50	2052	25	sheet	ional filing fee or cove	' L
☐ Charg	e fee(s)	indicat	ted below L	□Credit any o	ver payments	1053	130	1053	130	Non-English specifica	ition	
☐ Charge	e any a	dditiona	al fee(s) duri	ing the pender	ncy of this	1812	2,520	1812	2,520	For filing a request fo	r ex parte reexaminati	on
		indica	lad balaw a	veent for the	filing fee to the	1804	920*	1804	920*	Requesting publication	n of SIR prior to Exam	niner
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.				1805	1,840*	1805	1,840*		n of SIR after Examin	er 📗		
					1251	110	2251	55	Extension for reply wi	thin first month		
						1252	420	2252	210	Extension for reply wi	thin second month	
			FEE CALC	ULATION		1253	950	2253	475	Extension for reply wi	thin third month	
BASIC F	FILING F	EE				1254	1,480	2254	740	Extension for reply wi	thin fourth month	
arge Enti	ity Smal	l Entity				1255	2,010	2255	1,005	Extension for reply wi	thin fifth month	
ee Fee	i	Fee		escription	Fee Paid	1401	330	2401	165	Notice of Appeal		
ode (\$)	Cod	÷ (\$)		····		1402	330	2402	165	Filing a brief in suppo	rt of an appeal	
001 770		385	•	y filing fee	770.00	1403	290	2403	145	Request for oral hear	ing	
002 340 003 530		170 265	-	gn filing fee t filing fee		1451	1,510	1451	1,510	Petition to institute a	oublic use proceeding	
003 330 004 770		385		sue filing fee		1452	110	2452	55	Petition to revive - un		
105 160		80		isional filing fee								
•						1453		U.	665	Petition to revive - un		
			SUB	TOTAL (1) (\$)	770.00	1501	1,330	2501	665	Utility issue fee (or re	issue)	
. EXTRA	CLAIM I	EES F		AND REISSUE		1502	480	2502	240	Design issue fee		
					ee Paid	1503	640	2503	320	Plant issue fee		
Total Claims 13 - 20** = 0 X 18 = 00.00				1460	130	1460	130	Petitions to the Comm	nissioner			
Indep. Claims 2 - 3** = 0 X 86 = 00.00 Multiple Dependent =				1807	50	1807	50	Processing fee under	37 CFR 1.17(q)			
				-		1806	180	1806	180	Submission of Inform	ation Disclosure Stmt	-
Large Enti Fee Fee	e Fee	Fee		Description		8021	40	8021	40	Recording each pater property (times numb	nt assignment per	4
Code (\$) 1202 18	2202		Claims in e	excess of 20								
1202 16		_		nt claims in exc	ess of 3	1809	770	2809	385	Filing a submission at 1.129(a))	fter final rejection (37	CFK
1203 290			•	pendent claim, i		1810	770	2810	385	For each additional in (37 CFR 1.129(b))	vention to be examine	ed
1204 86	2204	43	**Reissue i	independent cla	ims	1801	770	2801	385	•	d Examination (RCE)	
•			_	inal patent					000	Paguast for avadita-	d avamination of a dec	, _{ion}
1205 18	2205	9		claims in excess	of 20	1802	900	1802	900	application	d examination of a des	, y
			and over	original patent L (2) (\$)00.0	00	Other t	fee (spe	cify) _				
or number	r previou	sly paid,		or Reissue, see		* Red	uced by	Basic	Filing F	ee Paid	SUBTOTAL (3) (\$)40.00
SUBMITTED	BY										Complete (if applicable	9)
Name (Prir	nt/Type)		Jason	D. Eisenberg	7	Regist (Attorn	Registration No. (Attorney/Agent)			43,447	Telephone 202-371-2600	
			- \ i	Lasy 9		,		<u> </u>		-	Date //	17/03

WARNING: Information on his form may become public. Credit card information should not be included on this form? Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 GFR 1.17 and 1.27. The information's required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to be 12 minutes to complete, including gathering, preparing, and submitting the complete form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this formand/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.



Robert Greene Sterne Edward J. Kessler Jorge A. Goldstein David K.S. Cormwell Robert W. Esmond Tracy-Gene G. Durkin Michele A. Cimbala Michael B. Ray Robert E. Sokohl Eric K. Steffe Michael Q. Lee Steven R. Ludwi John M. Covert Linda F. Alcom Robert C. Millonig Lawrence B. Bugaisky Donald J. Featherstone Michael V. Messinger

Judith U. Kim Timothy J. Shea, Jr. Patrick E. Garrett Heidi L. Kraus Edward W. Yee Albert L. Ferro* Albert L. Ferro Donald R. Banowit Peter A. Jackman Molly A. McCall Teresa U. Medler Jeffrey S. Weaver Kendrick P. Patterson Vincent L. Capuano Eldora Ellison Floyd Thomas C. Fiala Brian J. Del Buono Virgil Lee Beaston Kimberly N. Reddick

Theodore A. Wood Elizabeth J. Haanes Bruce E. Chalker Joseph S. Ostroff Frank R. Cottingham Christine M. Lhulier Rae Lynn Prengaman Jane Shershenovich' Lawrence J. Carroll' George S. Bardmesser Daniel A. Klein' Rodney G. Maze Jason D. Elsenberg Michael D. Seecht Michael D. Specht Andrea J. Specht Andrea J. Kamage Tracy L. Muller* Jon E. Wright* LuAnne M. Yuricek*

John J. Figueroa Ann E. Summerfield Teresa A. Colella

Registered Patent Agents • Kegistered Patent Age Karen R. Markowicz Nancy J. Leith Helene C. Carlson Gaby L. Longsworth Matthew J. Dowd Aaron L. Schwartz Mary B. Tung Katrina Y. Pei Bryan L. Skelton Robert A. Schwartzman Timothy A. Doyle Jennifer R. Mahalingappa

Mail Stop Patent Application

Jeffrey S. Lundgren Victoria S. Rutherford Eric D. Hayes

Of Counsel
Kenneth C. Bass III Evan R. Smith

Admitted only in Maryland Admitted only in Virginia Practice Limited to Federal Agencies

November 17, 2003

WRITER'S DIRECT NUMBER: (202) 772-8645 **INTERNET ADDRESS:** JASONE@SKGF.COM

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No.: To be assigned; Filed: Herewith on November 17, 2003

Optical Position Measuring System and Method Using a Low Coherence Light Source

Inventor:

J. Christian Swindal

Our Ref:

1857.2020000

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17);
- 2. Credit Card Payment Form PTO-2038;
- PTO Utility Patent Application Transmittal (Form PTO/SB/05); 3.
- Authorization to Treat a Reply as Incorporating an Extension of Time under 4. 37 C.F.R. § 1.136(a)(3);
- 5. Recordation Form Cover Sheet;
- An original executed Assignment to ASML Holding N.V., recordation of 6. which is hereby respectfully requested;
- 7. U.S. Utility Patent Application entitled:

Optical Position Measuring System and Method Using a Low Coherence Light Source

Sterne, Kessler, Goldstein & Fox PLLC.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents November 17, 2003 Page 2

and naming as inventor:

J. Christian Swindal

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
- b. An original executed Declaration;
- c. A specification containing:
 - i. 7 pages of description prior to the claims;
 - ii. 2 pages of claims (13 claims, 2 independent);
 - iii. a one (1) page abstract;
- d. 7 sheets of drawings: (Figures 1-7); and
- 8. Two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jason D. Eisenberg

Attorney for Applicant (

Registration No. 43,447

JDE/mmb SKGF_DC1:194522.1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

J. Christial Swindal

Appl. No. To be assigned

Filed: Herewith on November 17, 2003

For:

Optical Position Measuring System and Method Using a Low

Coherence Light Source

Confirmation No. To be assigned

Art Unit: To be assigned

Examiner: To be assigned

Atty. Docket: 1857.2020000

Authorization to Treat a Reply as Incorporating an Extension of Time under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jason D. Eisenberg

Attorney for Applicant

Registration No. 43,447

1100 New York Avenue, N.W. Washington, D.C. 20005-3934

(202) 371-2600

JDE/mmb

SKGF_DC1:194534.1